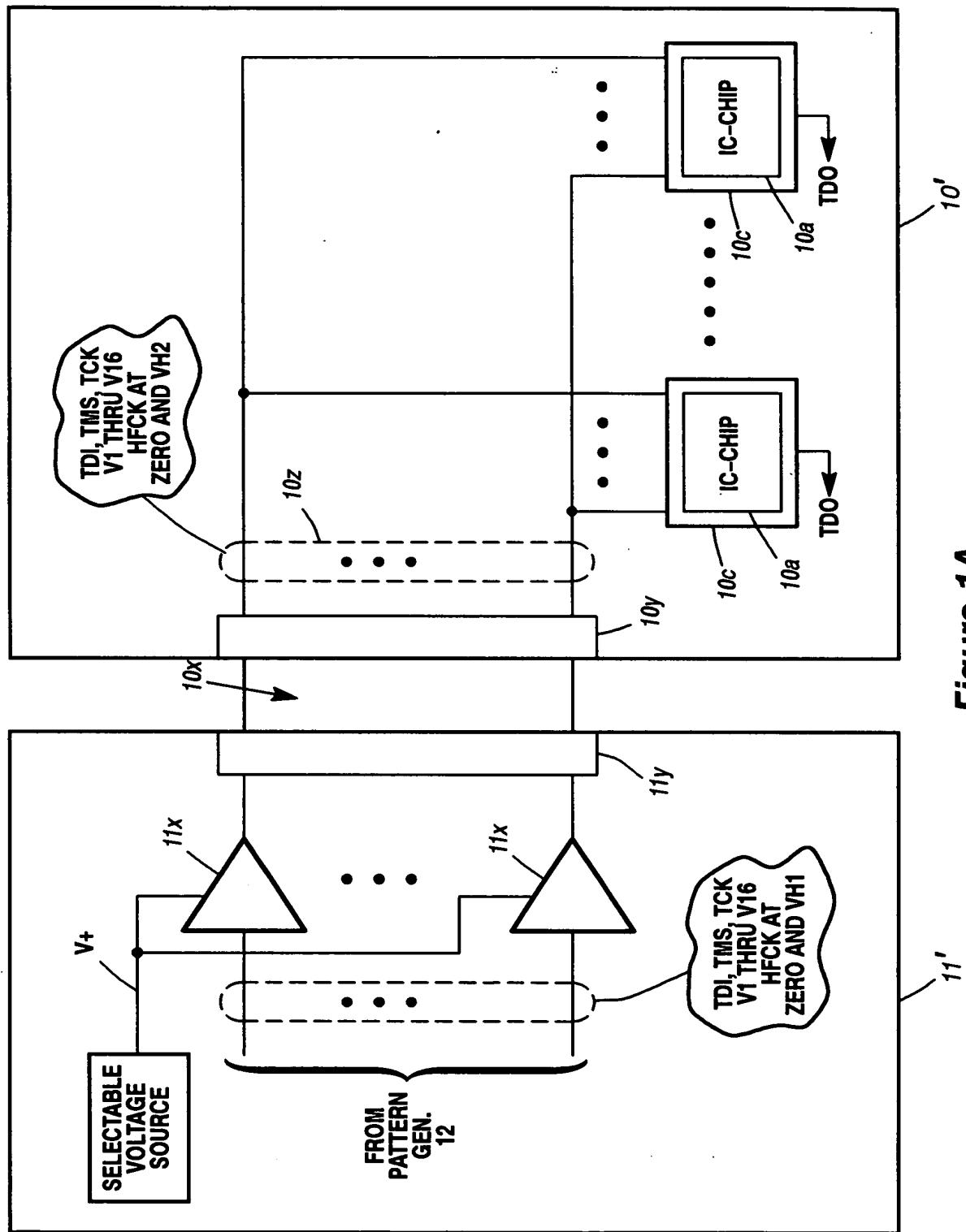


Figure 1A



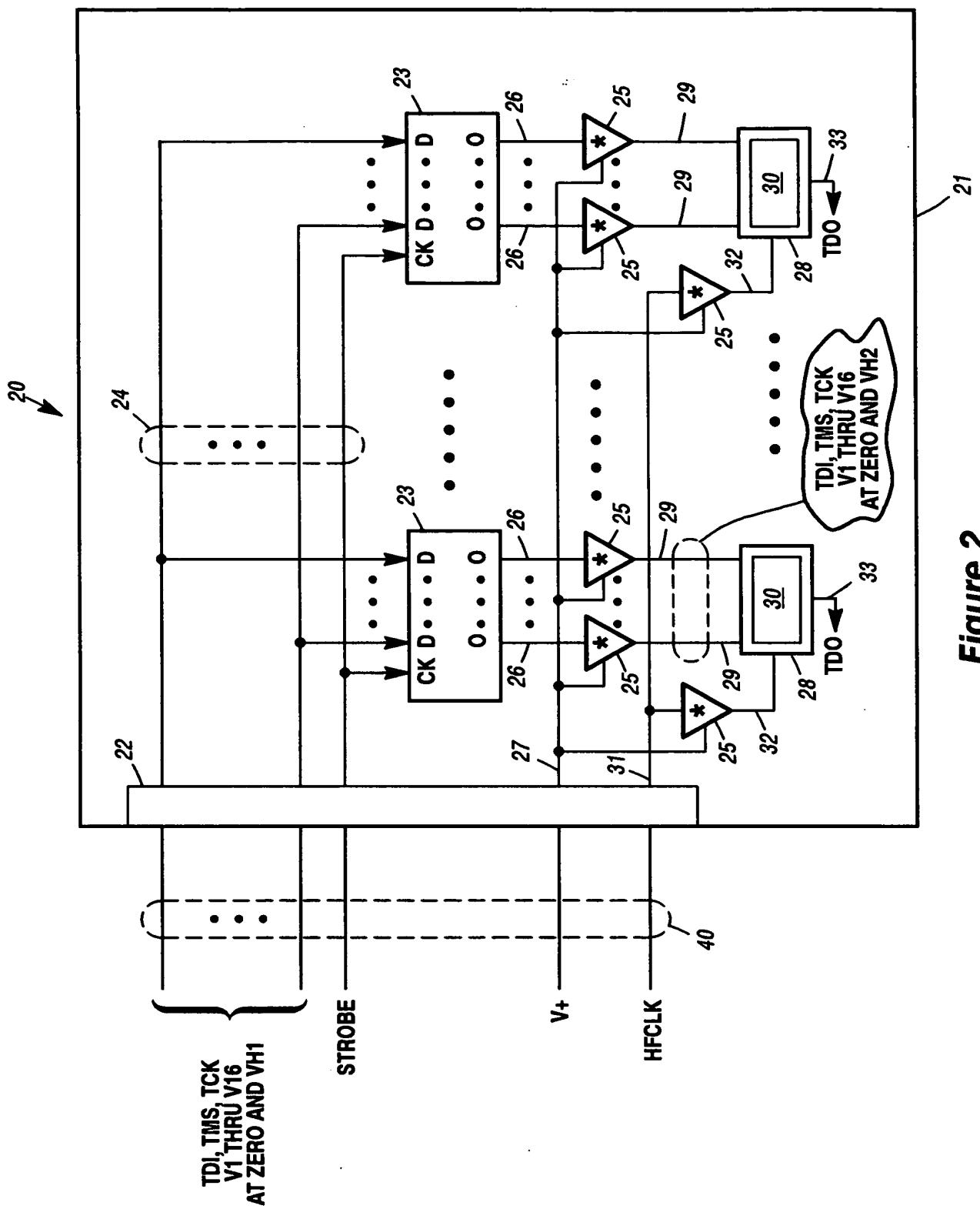


Figure 2

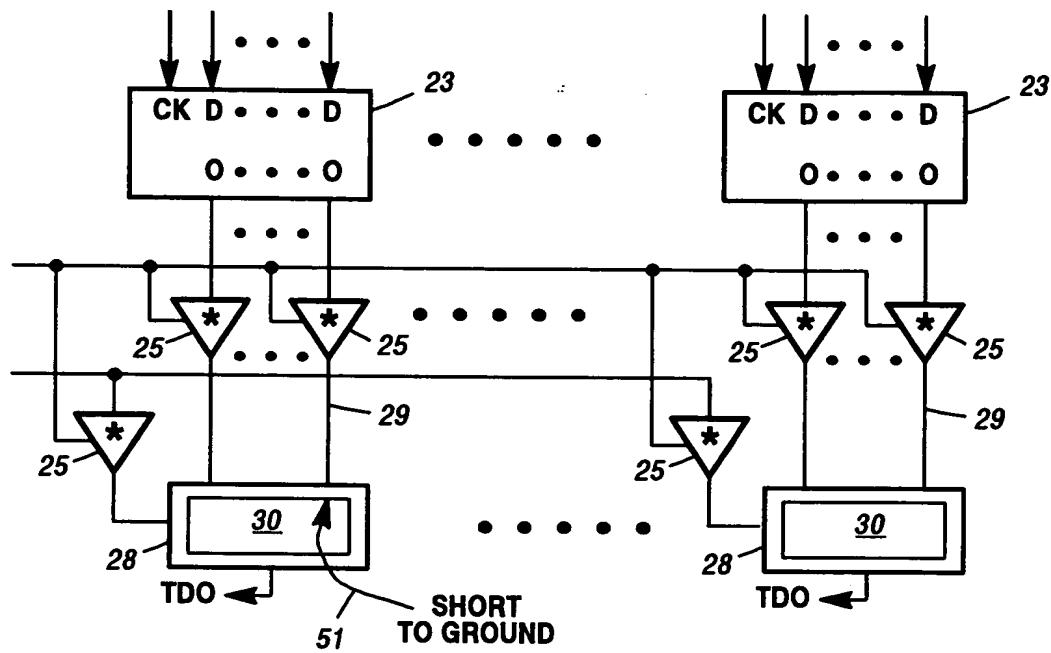


Figure 3A

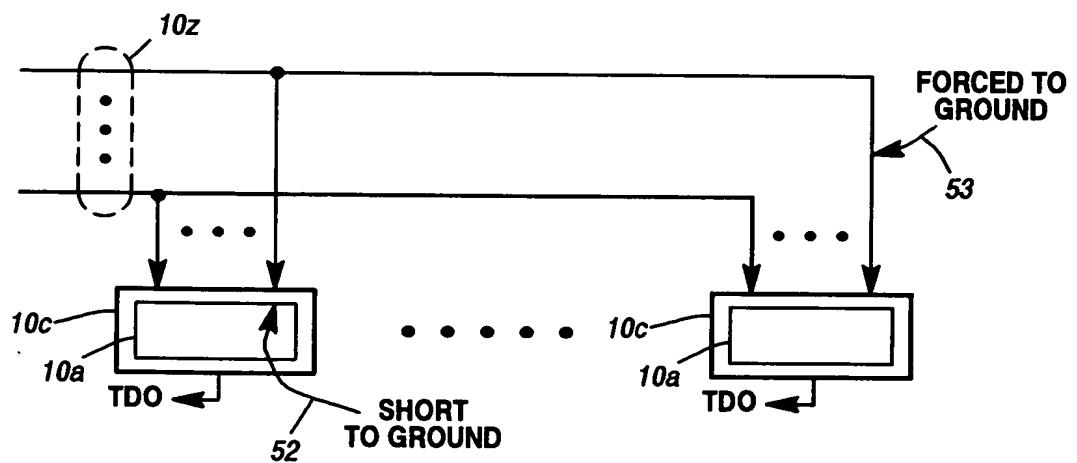


Figure 3B

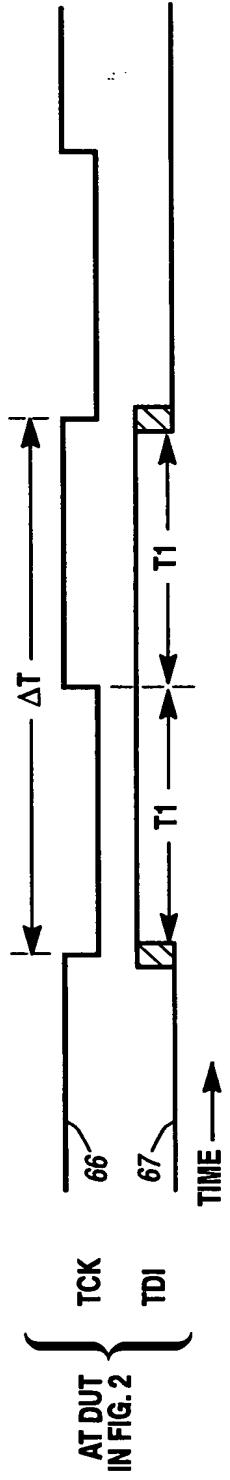
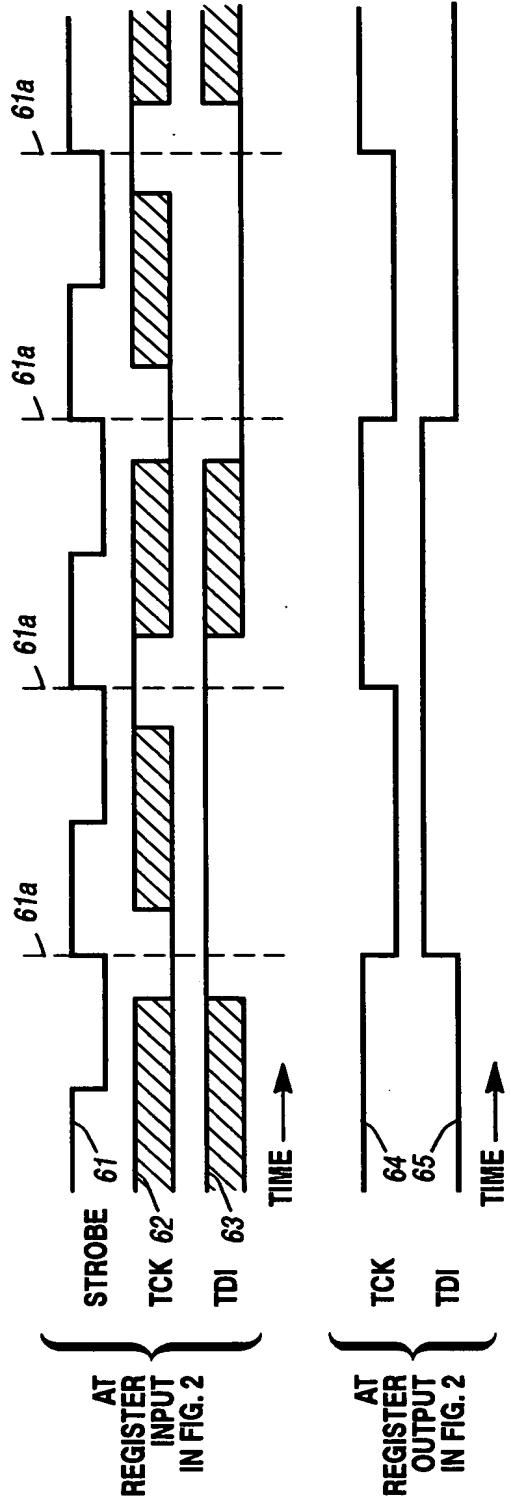


Figure 4A

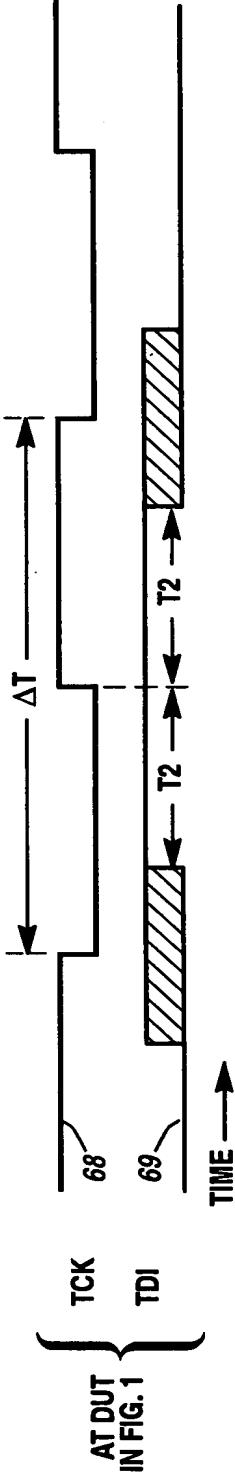


Figure 4B

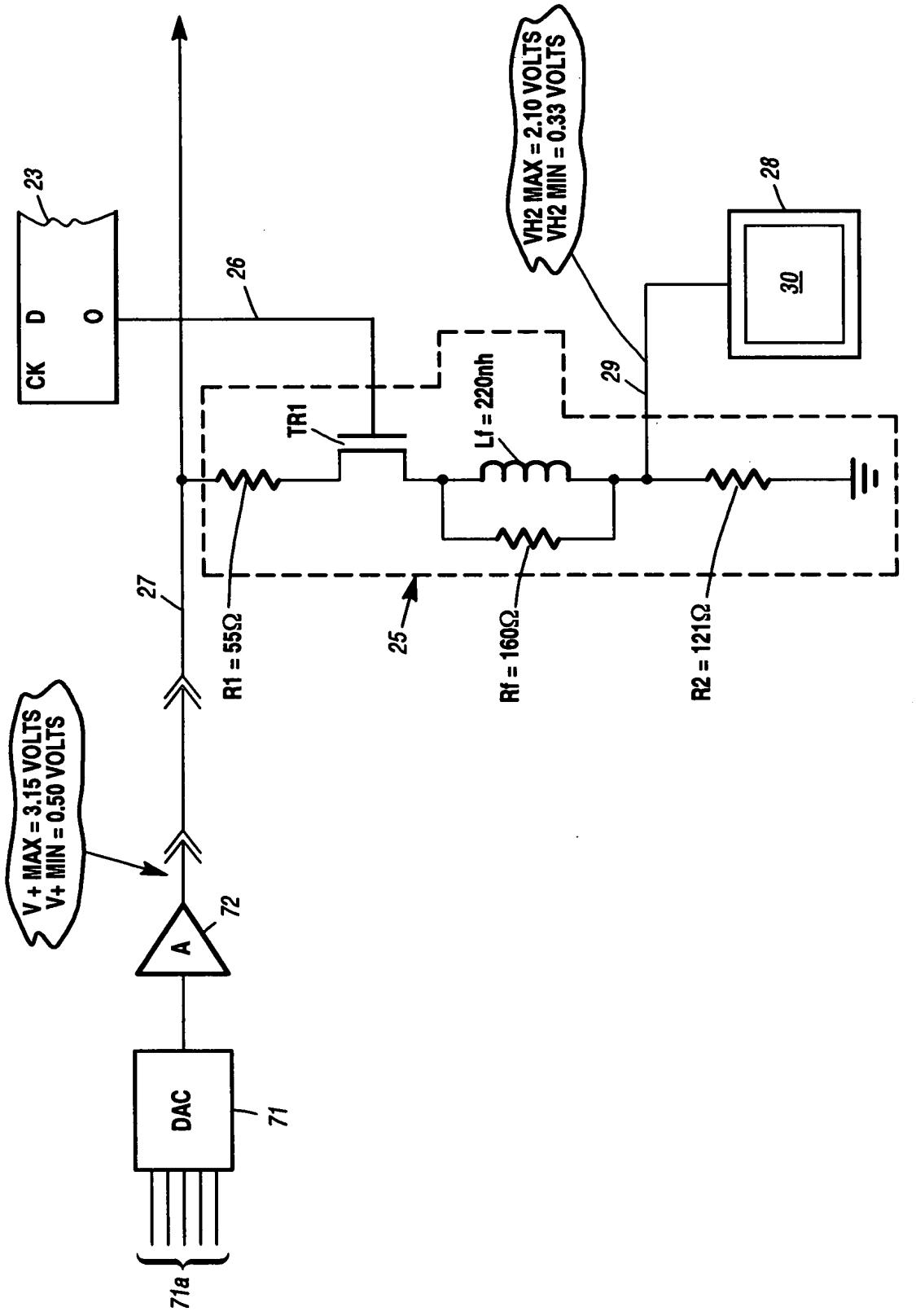


Figure 5

Eq. 1 ~MAX POWER = (MAX CURRENT)²(55 + R - ON + 121)

$$\text{Eq. 2 ~MAX CURRENT} = \frac{3.15}{55 + R - ON + 121}$$

Eq. 3 ~R - ON = 4.5\Omega \pm 50%

$$\text{Eq. 4 ~MAX CURRENT} = \frac{3.15}{55 + 2.25 + 121} = 17.6 \text{ ma}$$

Eq. 5 ~MAX POWER = (17.6 ma)² (55 + 2.25 + 127) = 55.6 mw

Eq. 6 ~Compare: EDGE 692
MIN POWER PER CHIP = 1.5 WATTS
MAX POWER PER CHIP = 3.0 WATTS
TWO TRANSLATORS PER CHIP

Eq. 7 ~0.055 WATTS MAX VS 1.50 WATTS MAX

Eq. 8 ~0.000 WATTS MIN VS 0.75 WATTS MIN

Eq. 9 ~0.027 WATTS AVE VS 1.12 WATTS AVE

Figure 6

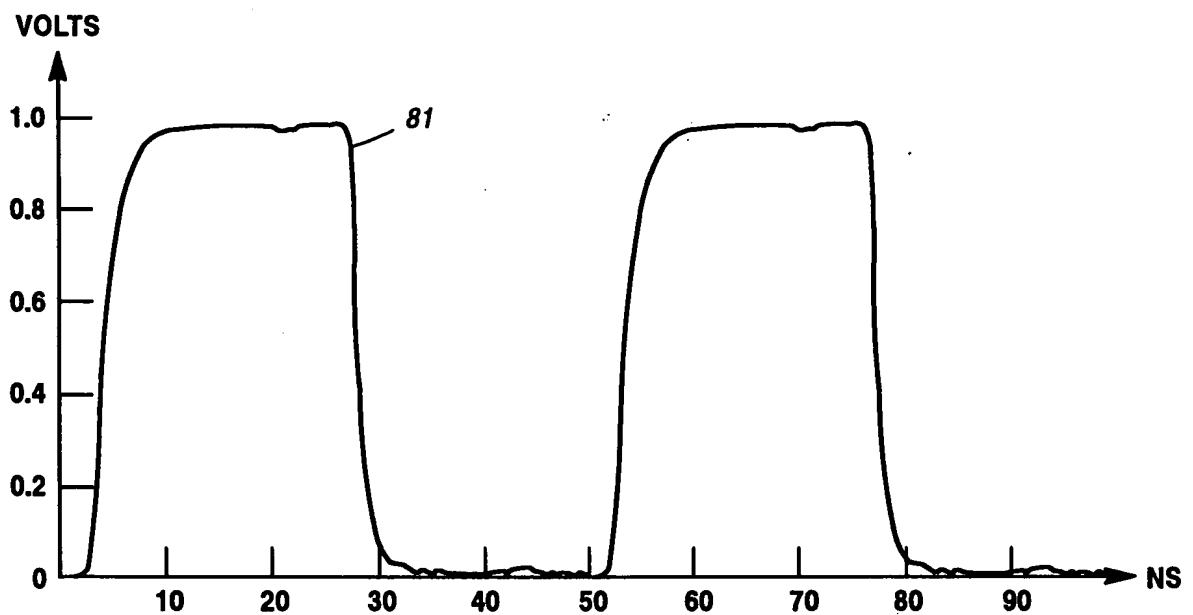


Figure 7A

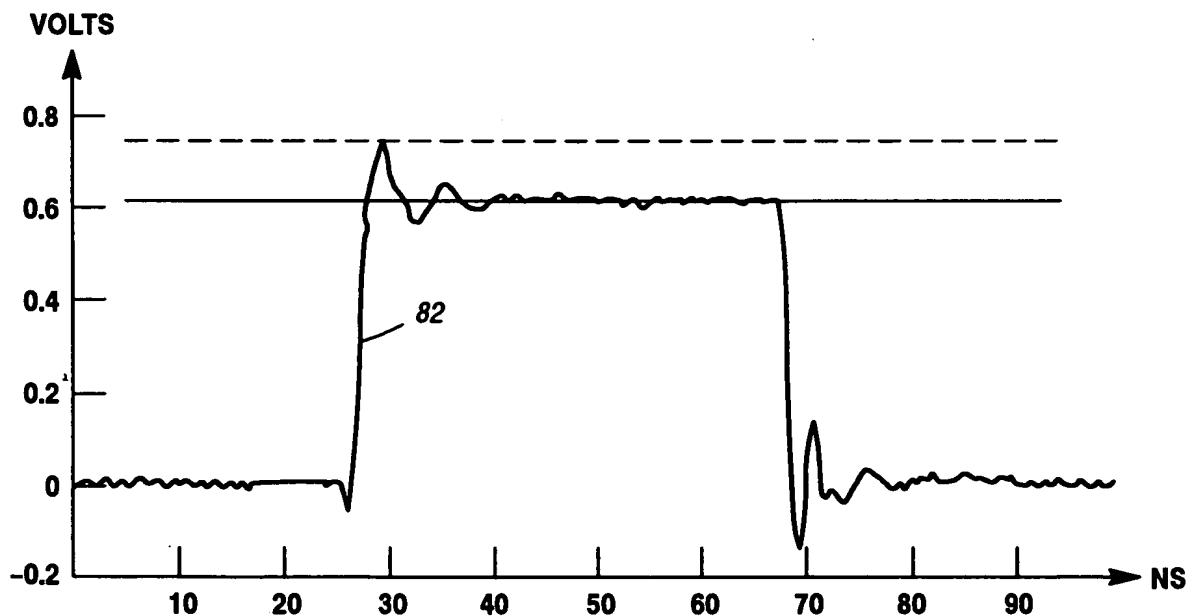


Figure 7B

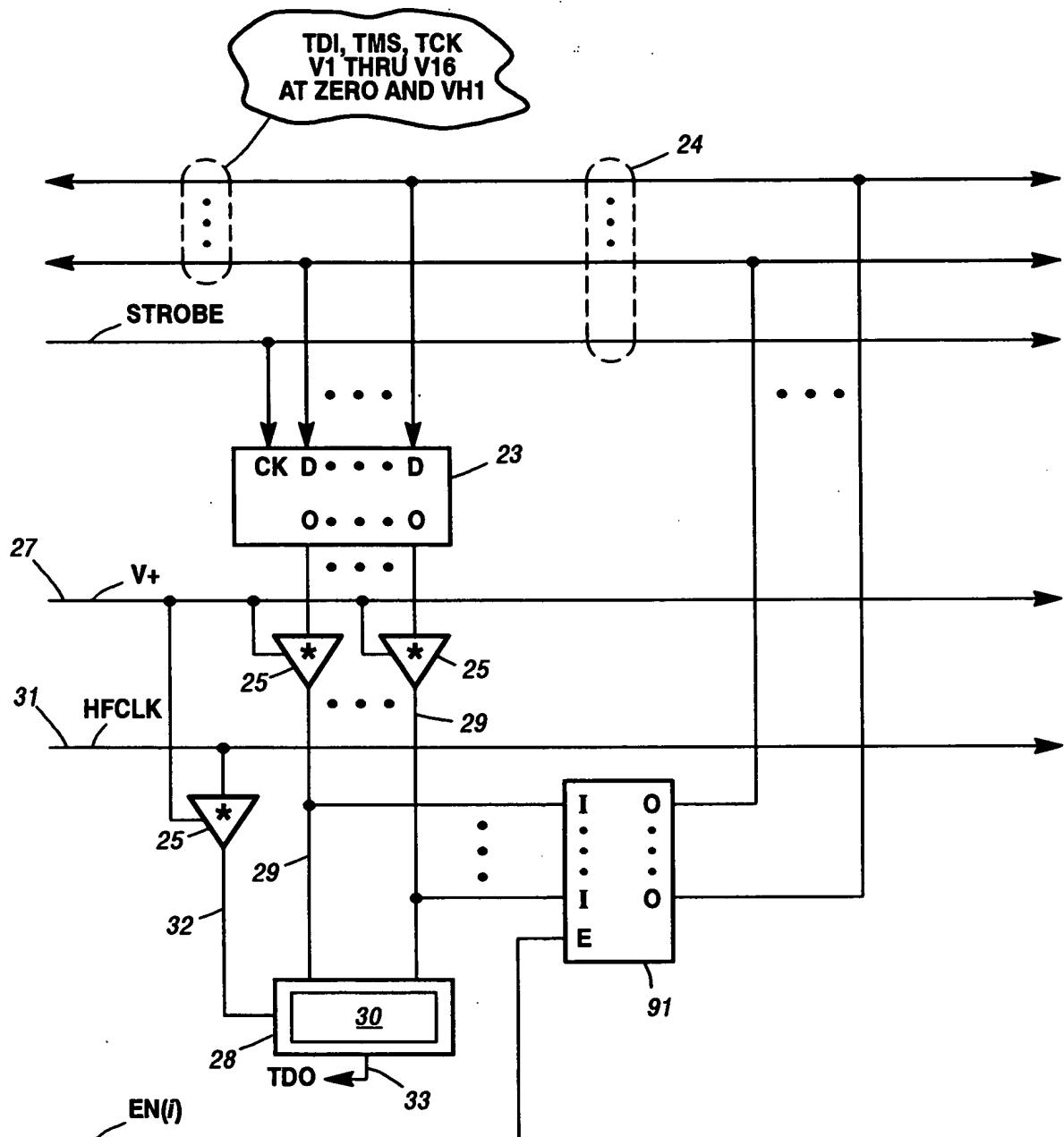


Figure 8

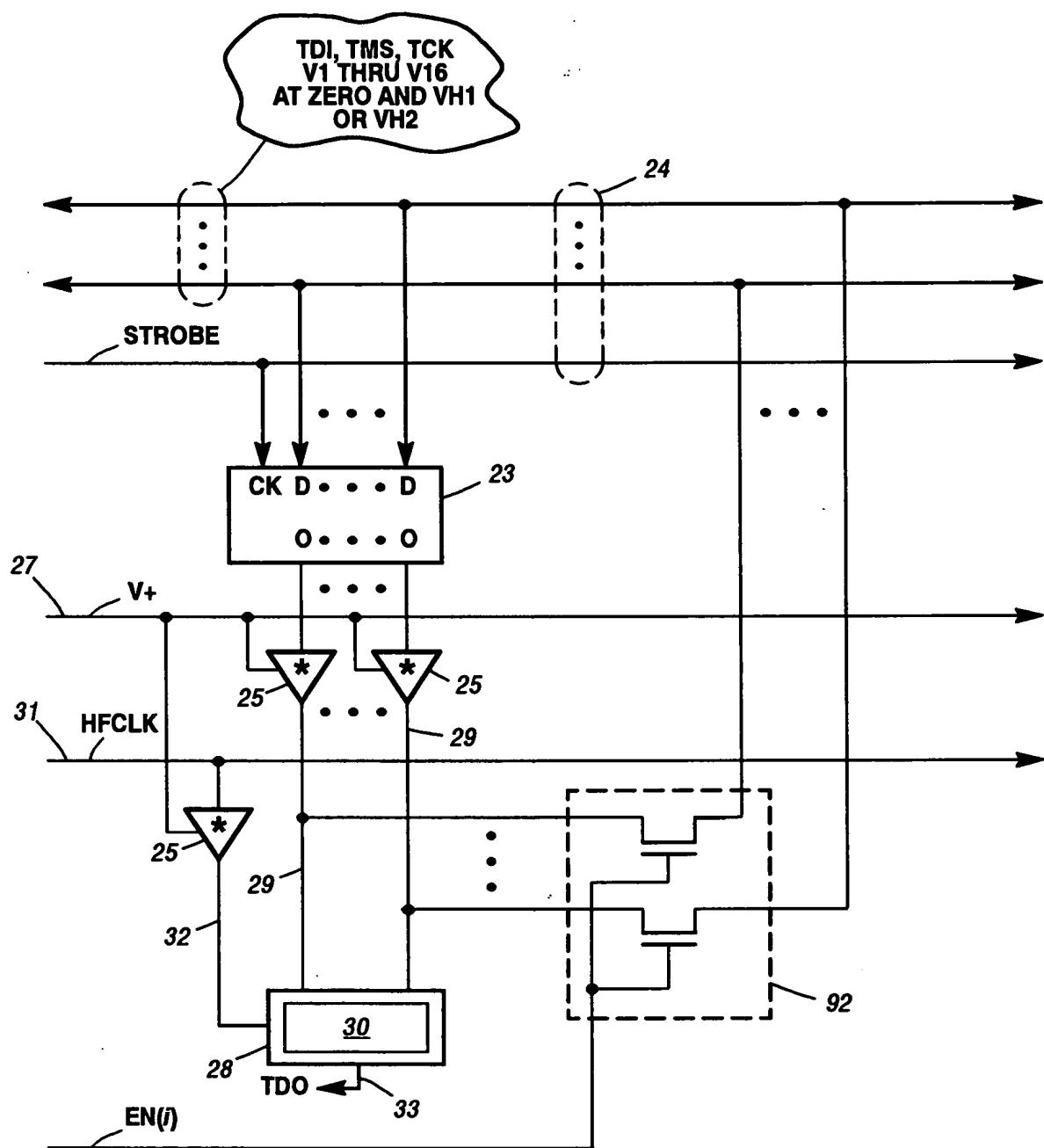


Figure 9

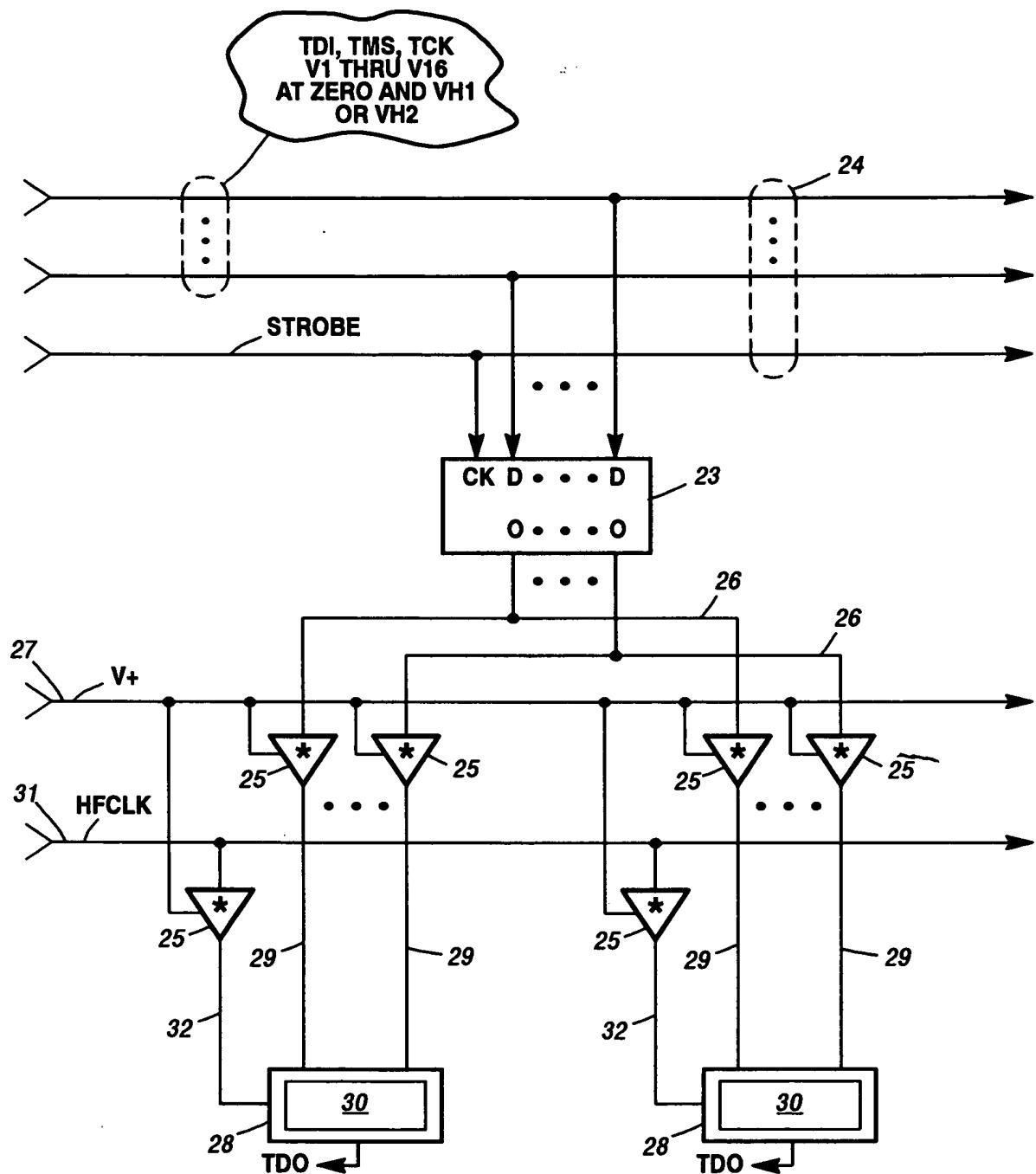


Figure 10